



Introduction

GBD-L2 falling dart impact tester is suitable to test materials with thickness less than 1mm such as plastic film or sheet etc. It will determine the energy (expressed in mass) of materials when damaged by a free-falling dart from a given height. Widely used in scientific research, teaching, industrial and mining enterprises, laboratories, research institutes and quality supervision departments.

Standard ISO7765-1, ASTM D1709, JIS K7124

Feature

- 1. With color touch screen and user friendly interface, convenient to operate.
- 2. With three test methods: method A, method B and single-chip test.
- 3. The dart is sucked by electromagnetism which could be automatically released to avoid errors caused byhuman factors.
- 4. The test process is intelligent so the efficiency is greatly improved.
- 5. The sample is pneumatically clamped and released, which reduces the error and test time.
- 6. No need of manual marking in the test process, and the LCD could show the data.
- 7. The system could automatically identify and calculate the data without human intervention.
- 8. Built-in printer to print test reports.
- 9. The instrument can query data up to 30 groups.

Specifications

ltem	Technical Parameter
Test Method	Method A, Method B, Single Chip Test
Method A Test Range	50~2000g
Method B Test Range	300~2000g
Single Chip Test Range	20g, 25g, 40g, 60g, 80g
Resolution	0.1g
Dart Head Size	A methodΦ38±1mm, B methodΦ50±1mm
Weight	5g, 30g, 45g, 80g, 90g: 8pcs of each; 15g, 120g: 16pcs; 180g: 9pcs
Weight size	A methodΦ30mm, B methodΦ45mm
Impact height	1500mm/660mm
Specimen fixture	Pneumatic fixture, Outer diameter150mm, Inner diameter125mm
Air source	Compressed air, 0.6~0.8MPa
Air source interface	Ф6mm air pipe
Instrument size	510*440*1300mm
Weight	50kg
Power supply	AC 220V, 50Hz
Power	75W